SISTEM PENDUKUNG KEPUTUSAN PENERIMA BANTUAN PROGRAM KELUARGA HARAPAN MENGGUNAKAN METODE *SIMPLE ADDITIVE WEIGHTING* BERBASIS *WEBSITE*

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ABSTRACT

The Family Hope Program (PKH) is a social assistance from the government that aims to improve the quality of life of underprivileged families through access to health, education, and social welfare services. In Rowotengah Village, the verification process of prospective beneficiaries is still done manually, making it less efficient and at risk of errors. This research aims to build a website-based decision support system using the Simple Additive Weighting (SAW) method. The system is designed using the Laravel framework with seven main criteria, namely Pregnant Women, Toddlers, Elementary School, Junior High School, High School, Elderly, and Disability. Testing was conducted on 31 sample data and showed a 100% match of system results with manual calculations. In addition, testing using Black Box Testing proves that all system functions run well without any errors. Accuracy testing using Mean Squared Error (MSE) produces a value of 0 which indicates there is no difference between system and manual calculations. This system also obtained a System Usability Scale (SUS) value of 80 which is included in the good category, thus indicating that the system is easy to use and acceptable to users.

***Keywords**: Decision Support System, PKH, Simple Additive Weighting, Website.*